

## Rabbit anti-Human ACSL4/FACL4 Polyclonal Antibody | anti-ACSL4 antibody

ACSL4/FACL4 Rabbit anti-Human Polyclonal (N-Terminus) Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                             |
|-----------|--------|------------|----------------------------------------------------------|
| AAA162543 | Rabbit | Human      | Western Blot, Immunohistochemistry, Immunohistochemistry |

### PRODUCT SYNONYMS

ACSL4/FACL4; Polyclonal Antibody; ACSL4/FACL4 Rabbit anti-Human Polyclonal (N-Terminus) Antibody; IHC-plus ACSL4/FACL4 Antibody (N-Terminus); ACSL4; Acyl-CoA synthetase 4; ACS4; FACL4; LACS4; LACS 4; Lignoceroyl-CoA synthase; MRX63; MRX68; anti-ACSL4 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                                                                              |
| Reactivity                                      | Human                                                                                                                                                                                                                                                                                                                               |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                                                                          |
| Isotype                                         | IgG                                                                                                                                                                                                                                                                                                                                 |
| Specificity                                     | Human ACSL4/FACL4                                                                                                                                                                                                                                                                                                                   |
| Purity/Purification                             | Immunoaffinity purified                                                                                                                                                                                                                                                                                                             |
| Form/Format                                     | PBS, 0.09% sodium azide, 2% sucrose                                                                                                                                                                                                                                                                                                 |
| Concentration                                   | 0.5mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                            |
| Applicable Applications for anti-ACSL4 antibody | WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry)                                                                                                                                                                                                                                                           |
| Target                                          | Human ACSL4/FACL4                                                                                                                                                                                                                                                                                                                   |
| Immunogen                                       | Synthetic peptide from N-Terminus of human ACSL4 (O60488, NP_004449). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Galago, Marmoset, Mouse, Rat, Elephant, Panda, Dog, Bovine, Bat, Rabbit, Horse, Pig, Guinea pig (100%); Opossum, Turkey, Zebra finch, Chicken, Xenopus (92%); Platypus (85%). |
| Conjugation                                     | Unconjugated                                                                                                                                                                                                                                                                                                                        |
| Epitope                                         | N-Terminus                                                                                                                                                                                                                                                                                                                          |
| Preparation and Storage                         | Short term: Store at 2-8 degree C. Long term: Aliquot and store at -20 degree C. Avoid freeze/thaw cycles.                                                                                                                                                                                                                          |

### IMAGES



#### IHC (Immunohistochemistry)

ACSL4/FACL4 Antibody-Anti-ACSL4 antibody IHC of human brain, cortex. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. This image was taken for the unconjugated form of this product. Other forms have not been tested.



#### WB (Western Blot)

ACSL4/FACL4 Antibody-Hela cell lysate. Antibody concentration: 1.0 ug/ml. Gel concentration: 12%. This image was taken for the unconjugated form of this product. Other forms have not been tested.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ACSL4 antibody | FACL4 antibody is an unconjugated rabbit polyclonal antibody to FACL4 (ACSL4)(N-Terminus) from human. It is reactive with human, mouse, rat and other species. Validated for IHC and WB. Tested on 20 paraffin-embedded human tissues. Cited in 1 publication. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4758332                                                                                                                                                                                                               |
| NCBI GeneID                      | 2182                                                                                                                                                                                                                  |
| NCBI Accession #                 | NP_004449.1                                                                                                                                                                                                           |
| NCBI GenBank Nucleotide #        | NM_004458                                                                                                                                                                                                             |
| UniProt Accession #              | O60488; O60848; O60849; Q5JWV8; D3DUY2                                                                                                                                                                                |
| Molecular Weight                 | 74,436 Da                                                                                                                                                                                                             |
| NCBI Official Full Name          | long-chain-fatty-acid--CoA ligase 4 isoform 1                                                                                                                                                                         |
| NCBI Official Synonym Full Names | acyl-CoA synthetase long-chain family member 4                                                                                                                                                                        |
| NCBI Official Symbol             | ACSL4                                                                                                                                                                                                                 |
| NCBI Official Synonym Symbols    | ACS4; FACL4; LACS4; MRX63; MRX68                                                                                                                                                                                      |
| NCBI Protein Information         | long-chain-fatty-acid--CoA ligase 4; LACS 4; acyl-CoA synthetase 4; lignoceroyl-CoA synthase; long-chain acyl-CoA synthetase 4; long-chain fatty-acid-Coenzyme A ligase 4; fatty-acid-Coenzyme A ligase, long-chain 4 |
| UniProt Protein Name             | Long-chain-fatty-acid--CoA ligase 4                                                                                                                                                                                   |
| UniProt Gene Name                | ACSL4                                                                                                                                                                                                                 |
| UniProt Synonym Gene Names       | ACS4; FACL4; LACS4; LACS 4                                                                                                                                                                                            |
| UniProt Entry Name               | ACSL4_HUMAN                                                                                                                                                                                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.